

New Partition Separates Sound-and-Space

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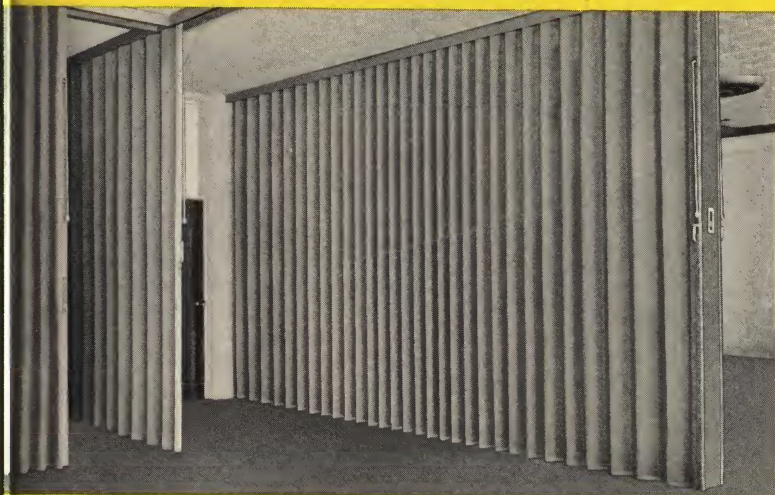
FOLDOOR A.I.A. FILE 16-M



Heart of Atlanta Motel, Atlanta, Georgia



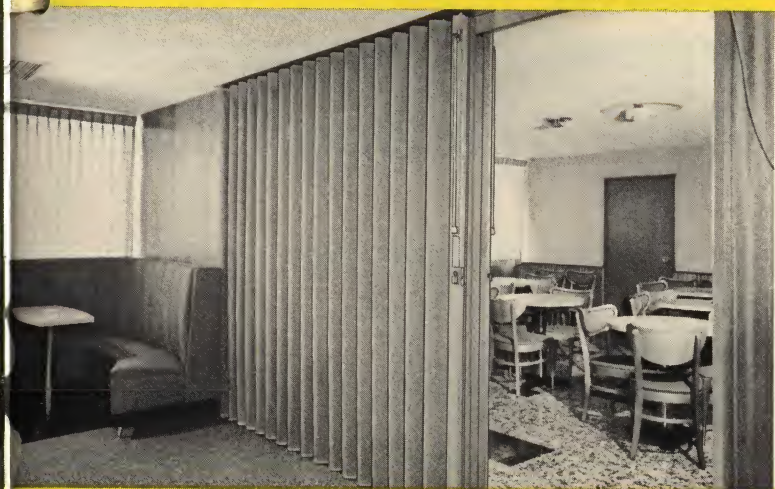
Hotel Monica, Santa Monica, California



Ehret, Inc. (Mortuary), San Juan, Puerto Rico



Biltmore Hotel Courts, Nashville, Tennessee



Crossroad Lanes (Bowling Alley), Peoria, Illinois



River Oaks Baptist Church, Houston, Texas

**DUAL SOUND-RETARDANT
FOLDOOR PARTITION**





DUAL SOUND-RETARDANT FOLDOOR PARTITION

® The new Dual Sound-Retardant FOLDOOR Partition now makes it possible to separate both space-and-sound with a flexible folding partition. Now the convenience and beauty of the fabric covered folding door are available in a general purpose, improved sound-retardant partition that operates from overhead tracks only.

Laboratory tests show maximum sound insulation over a wide range. This partition has proved its effectiveness in a number of greatly varied applications. Some of these installations are shown on the cover page: Hotel dining and ballrooms, mortuaries, bowling alley league rooms, churches, motel meeting rooms.



SPECIFICATIONS

GENERAL

Folding partition as shown on plans shall be Dual Sound-Retardant FOLDOOR as furnished by an authorized representative of Holcomb & Hoke Mfg. Co., Inc., Indianapolis, Indiana, or equal as approved by architect prior to bidding date. The partition shall consist of two Multi-V frames mounted on parallel overhead tracks, and connected at the leading edge to operate as a single unit.

Overhead tracks only shall be used. Tracks to be not less than 16-gauge steel, each having two U-shaped channels, providing high strength, free tracking of trolley wheels and minimum rolling friction. All hinges throughout the partition shall be not less than 16-gauge zinc coated steel with a minimum net dimension at pivot point of 1 3/4". Exterior covering of partition shall be flame-resistant, plastic coated, supported fabric as described herein.

Sound Insulation—Partition shall be equipped with both a special sound-retardant liner and a layer of sound absorbent material on each parallel frame to provide maximum reduction of sound transmission. The sound insulating material shall be flame-retarding and must not support combustion. Sound retarding components shall include a baffle between frames at head, sweep strips to engage floor, and sound-retardant jamb mouldings.

DOOR COVERINGS

Construction— Fiberglas fabric with virgin vinyl coating, finished fabric weighing 30 ounces per lineal yard, 54" wide. Underwriters Laboratories approved.

—or alternate—

Cotton fabric with virgin vinyl coating, finished fabric weighing 27 ounces per lineal yard, 54" wide.

Characteristics— Coating shall be compounded and applied to backing so as to give finished fabric long life, flexibility and resistance to cold, fading, discoloration, crazing or cracking.

Flame Resistance—Fabrics and sound insulation shall comply with specifications and tests of the following agencies:

- New York Board of Standards and Appeals
- Fire Department, City of Boston
- City of Los Angeles

TRACK

The track shall be of steel no less than 16-gauge, and shall have two U-shaped sections in which the wheels roll. All tracks shall be semi-concealed by cornice or cover plates. Trolleys shall be ball bearing type with Nylon tread.

HINGES

Metal hinges shall be used in the partition frame, and they must not be less than 16-gauge No. 4 tempered, zinc-coated, corrosion-resistant steel. They shall not be less than 2 3/8" in height throughout the length of the hinge. The net height at center of hinge where trolley pins support partition frame shall not be less than 75% of the maximum hinge height.

PARTITION FRAMES

Partitions less than 7' 0" in height shall have a row of hinges at top and bottom of frames. Frames 7' 0" and higher shall have a horizontal row of hinge plates approximately every 48 inches. Hinges shall be held in a horizontal position by being welded to 3/16" zinc coated, corrosion-resistant steel rods which extend full height of partition frame. This assures true pantograph action throughout.

STACKING SPACE

When partition is compressed the stacking space shall not measure more than 2 1/2" per foot of opening plus width of end posts. The partition when stacked shall not measure more than 13 1/4" in profile width.

HARDWARE

Lead post assembly and matching jamb assembly shall contain factory assembled draw latch. Handles, catches or locks shall be satin aluminum baked-on finish, or satin chrome plated. Pendant pulls, to assist in moving partition, shall be attached to each side of lead post and rolling post. Tie backs shall be provided to keep the stacked partition compressed.

WARRANTY

FOLDOOR Dual Sound-Retardant Partitions shall be fully guaranteed for one year against defects of faulty material and workmanship.

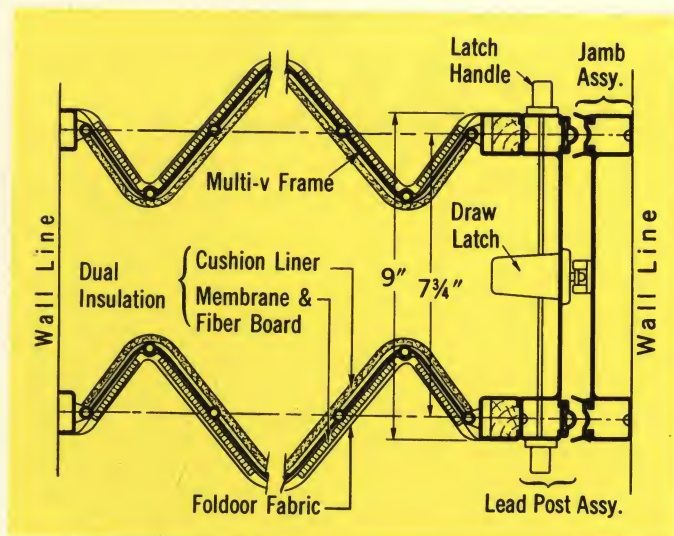


PARTITION SIZES

Maximum Height	Maximum Width
to 11'-11 7/8"	35'-4"
13'-11 7/8"	30'-9"
20'-0"	25'-5 1/2"

Partitions may be used in pairs or joined together for wider openings.

CONSTRUCTION DETAILS



The Dual Sound-Retardant FOLDOOR Partition consists of two Multi-V FOLDOOR frames joined by a single lead post assembly so as to operate as one unit. Each frame is covered on inside and outside with flame-retardant sound insulating materials. On the inside is a heavy cushion-type liner to absorb high frequency sounds; on the outside, a continuous membrane with panels of fiber board to retard low frequency sounds. Supported vinyl fabric covers the complete assembly of insulated frames and posts.

The installed weight of the partition is approximately 5.25 pounds per square foot. About half this weight represents the four dense layers of complementary insulation which provides maximum reduction of sound transmission.

Two special sound-retardant male and female mouldings are used to seal lead post and jamb assemblies.

The partition is closed and latched by means of a draw latch which is operated from either side by short lever-type handles. Key-lock handles are available. Pendant pulls are attached to assist in moving the partition.

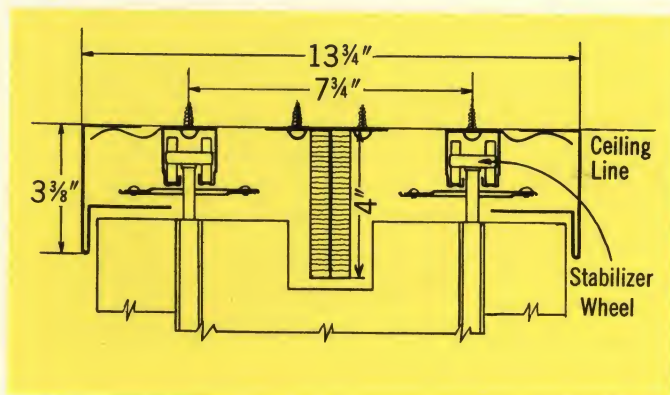
Installation is simplified by mounting each insulated frame separately, then joining them with lead post assembly.

The Dual Sound-Retardant Partition is used with straight track only. Flexibility of use can be added by installation of a pivot switch.

Foot bolts are available for field installation to anchor long or intersecting partitions to floor.

For details of Multi-V frame construction see the FOLDOOR Catalog, form No. 7211 (A.I.A. File 16-M). This catalog can be found in Sweet's Architectural File 16e/HO.

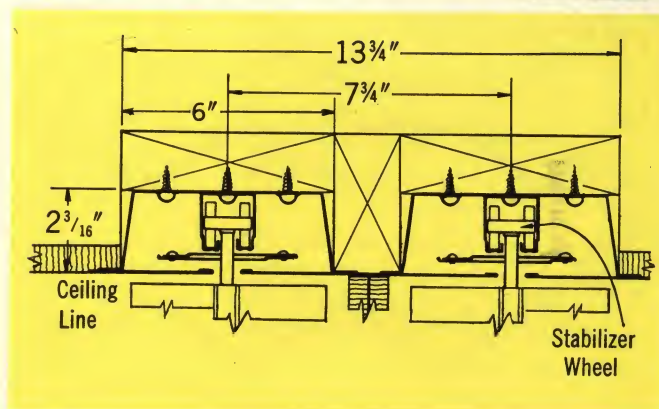
CONCEALED SURFACE TRACK



Tracks are mounted directly to header or ceiling. Cornice, which is retained by a series of spring clips, conceals tracks and pantographs while giving a finished ceiling line.

Horizontal stabilizer wheels, in lead post trolley assemblies, bear against side walls of the tracks, providing smooth, parallel tracking.

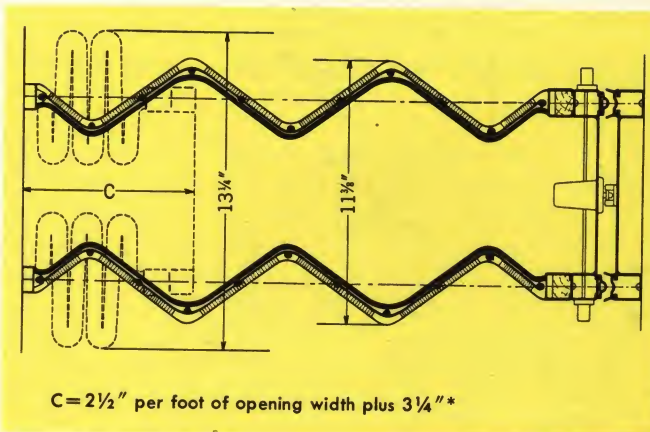
RECESSED TRACK



Recess pans and covering plates are furnished for installing tracks in a concealed position above ceiling level.

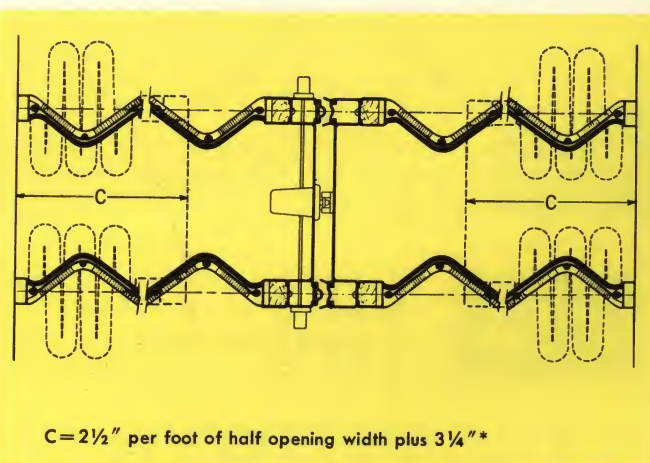
A 4" baffle is suspended between the frames to retard the passage of sound over the partition on both recessed and concealed surface track installations. Baffle is covered with fabric to match partition.

SINGLE PARTITION



Note compactness of profile and stack. The Dual Sound-Retardant FOLDOOR Partition is also available with a rolling post to allow opening from either end and stacking against either wall. Lead post and jamb assemblies are used in place of fixed jamb posts. Stack space with a rolling post measures $2\frac{1}{2}$ " per foot of opening width plus $6\frac{1}{8}$ ".

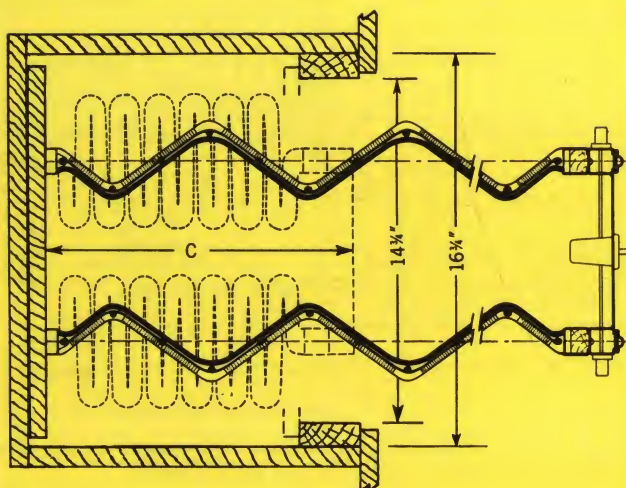
PAIR OF PARTITIONS



This arrangement allows access to the center of the enclosed area and divides the stacking space into two stacks.

*On partitions 14' and higher add $1\frac{1}{8}$ " for reinforced jamb.

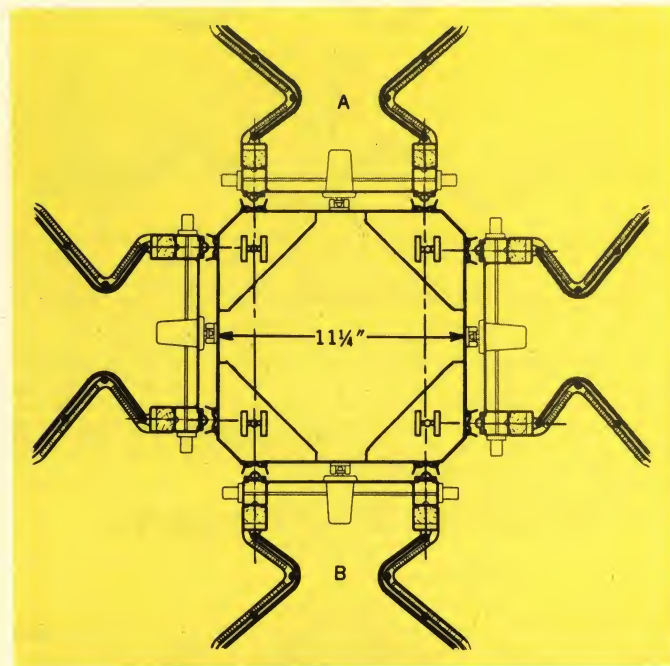
SLIDING JAMB IN POCKET



$C = 2\frac{1}{2}$ " per foot of opening width plus 4". On partitions 14' and higher add $1\frac{1}{8}$ " for reinforced jamb.

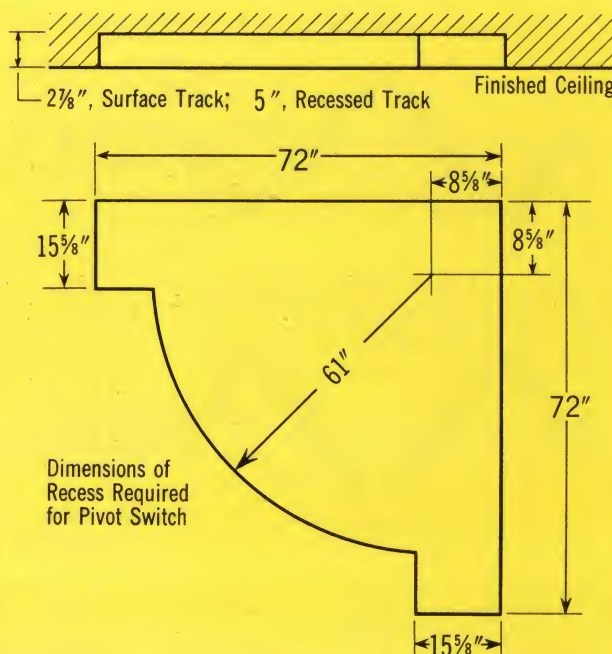
When partition is to stack in wall pocket the fixed jambs are attached to a sliding jamb board which is covered to match the partition.

SPECIAL FLOATING POSTS



For use where two or more partitions meet to divide an area, 2-way posts, 3-way posts and 4-way posts are available. Access is easy to the enclosed rooms. Floating post shown is attached to partitions A or B when stacked.

PIVOT SWITCH



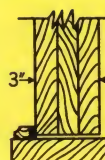
Pivot switch is available for stacking Dual Sound-Retardant FOLDOOR Partitions along wall, and for other right angle switching applications. A partition used with the pivot switch must have a rolling post.

ELECTRICAL OPERATOR

For large partitions or for convenience, an electrical motor-driven operator is available. Smooth, positive operation is assured with aircraft-quality cable mechanism. Self-contained drive unit can be conveniently positioned for servicing.

SOUND RETARDING VALUES

The Dual Sound-Retardant FOLDOOR with bottom sweep strips and sound baffle at header is equivalent in sound reduction to the following types of construction materials:



3 inch Solid Wood Door with Cracks Sealed



2 inch Solid Gypsum Tile Wall with $\frac{1}{2}$ " Plaster



3 inch Solid Gypsum Tile Wall



Wood Stud Wall with Metal Lath & Gypsum Plaster



FOLDOOR installing distributors are in all principal markets. Your distributor will gladly demonstrate the complete FOLDOOR line of folding partitions and doors. Look under "Doors" in the Yellow Pages, or write:

HOLCOMB & HOKE MFG. CO., INC. • 1545 VAN BUREN STREET, INDIANAPOLIS 7, INDIANA

In Canada: FOLDOOR of Canada, Montreal 26, Quebec

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